THE TECH
DAILY

VOL. XXIX. NO. 42. BOSTON, MASS., TUESDAY, NOVEMBER 16, 1909 PRICE ONE CENT

TECHNOLOGY NIGHT AT 1915 EXPOSITION

Many New Attractions--Tech Mandolin Club To Supply Music

To night is to be Technology Night at the big 1915 Exposition. In addition to the regular program the committee in charge have added a few new features which should prove of interest to all Tech. At 4:00 o'clock in the lecture hall, President Lafavreur of Simmons College will speak; at 9:00, Dr. Sedgewick of the Institute faculty; at 9:30 Prof. Coman of Wellesley.

Furthermore, the Technology Mandolin Club will render music during the entire evening. This will be the first opportunity for many of the students of hearing the Mandolin Club, and undoubtedly many of the men will take advantage of it.

The Technology exhibit is the largest college exhibit in the exposition. There are exhibits from all the courses. Those of the Sanitary Research and Chemical Research Laboratory are most interesting and undoubtedly will be new to many of the men.

In the sanitary exhibit, there is an apparatus devised to show the fundamental principles underlying the corrosion of iron. There are also plates and tubes inoculated with pure and polluted water. In the chemical exhibit there are samples of safe, industrial and comfortable water.

The laboratory of heat measurements has an electric resistance furnace. The mining laboratory has an ppartus for seperating ore that is very interesting. The architectural department has a number of praise-worthy designs.

The other exhibits are also most interesting. There are models of proposed subway stations. One corner of the vast building is devoted to examples of defective machinery and defective castings which would have caused many accidents. Also, safety devices for circular saws and stamping machines, etc.

The New England Telephone and Telegraph Company's exhibit is most instructive. The working of the board will be explained on request. There is also a working model of the automatic telephone. Models of ocean liners, yachts, locomotives and in fact everything technical and of interest to anyone of mechanical turn of mind.

There are also samples of work from all the Boston schools. The work of the students of the Perkins Institute for the Blind is most attractive and causes wide spread attention.

The room devoted to aeronautics is the greatest drawing card of the whole exposition. The Curtis Bi-plane which won the grand prize at Rheims last summer is in the center, surrounded by models of the Wright brothers' Bi-plane, and those other prominent aviators. The engine of the Curtis Bi-plane is of the eight cylinder gasoline type which does not require a fly wheel, thus reducing the weight to a minimum.

The exhibits of the different railroads should prove attractive to Tech men. Maps and models of stations and tunnels under the East river in New York arrouse no more attention than the excellent photographs of special types of locomotives in use.e

In the press department there is a lmotype machine in action. It illustrates many principles of mechanism in which second year students are interested. A careful inspection of it is very instructive.

In all probability a good many students will embrace this good opportunity to see the exposition. The entrance fee is 25 cents.

H. A. HALE 1910 WINS MECH. ENG. COMPETITION

New Shingle Design Is Very Good--First Order Expected Soon

The design of the new shingle of the Mechanical Engineering Society is by H. A. Hale 1910. The society has just made this announcement of the results of the five dollar competition, which was begun at the opening of the term and closed on Nov. 1.

Hale is a member of Couse II, and is well known for the music he has contributed to the recent Tech Show. He was on the executive committee of the society last year, and is now on its program committee.

The design of the shingle although giving at first sight a similar idea as the old one, is in reality quite different. The type of lettering used is old English; the initial letters of many important words are artistically rendered in red, giving with the white parchment on which it is printed a very neat and attractive appearance.

The first lot is expected in a few days, and will probably be disposed of in a short time as but few members have shingles owing to the early exhaustion of the supply last year.

UNION NIGHT FRIDAY

Mr. Louis Brandeis To Speak On Working Men Insurance

For next Friday night the committee in charge of the Union night entertainments has been fortunate to secure the services of Mr. Louis Brandeis as speaker. His subject will be Working Men's Insurance.

Mr. Brandeis is a member of the prominent law firm of the city, Brandeis, Dunbar and Nutteer. Last year he spoke to the students on Old Age Pensions. He is a fine speaker, and his talk last year was considered one of the best of the season.

Mr. Brandeis devotes a great deal of time to public questions. He fought very vehemently against the New Haven Merger. Besides this he has engaged in many cases without any personal interests at stake, simply fighting for what was just and right. At present, he is permanently connected with Boston 1915 movement.

It will undoubtedely be a great pleasure to listen to such a man and the committee sincerely hope that a large number of students will come and hear him. Refreshments will be served, as usual, after the talk for the nominal fee of ten cents.

ANNOUNCEMENT

All men who have left requests at The Tech office for the book "Concerning Technology," can obtain their books by applying at the cage. It is most necessary that all applications for these books be handed in the near future. Leave all requests at The Tech office marked care of R. H. Ranger 1911.

The Electric Exhibition at Mechanics Building opened last night to a large crowd.

NEW CHEM. BOOK TRANSLATED FROM GERMAN

Work Of Dr. Blanchard And Mr. Hall--Advanced Analytical Work

A new handbook for the chemical laboratory has recently appeared. It is entitled "Laboratory Methods in Inorganic Chemistry," written by two German professors, Prof. Heinrich Biltz of Kiel University and Prof. Wilhelm Biltz of Gottingen University. The translation is by Dr. Blanchard of the Institute faculty and Mr. Hall of the instructing staff. It is a volume of about 250 pages published by John Wiley Co.

The work is intended for advanced students of chemistry as a supplement of analytical work. It deals with synthetical methods and aims to broaden then student's understanding of chemical compounds and principles. Most of the work is spent on the laboratory experiments, but some explanations are given. The subjects are advanced progressively and topics are taken up according to the different types of combination.

The german book has caused much favorable comment and the translation should prove a great help to English and American students of chemistry.

TECH CHRISTIAN ASSOC.

Organization Practically Complete--List Of Officers

Sunday afternoon at 5:15, Dr. A. E. Garland, medical director of the city Y. M. C. A. addressed the Technology Christian Association. His subject was "The Christian Association and the Student." His talk proved to be most interesting and gratifying to the members of the club who were present.

The meeting next Sunday afternoon should prove to be one of the most interesting of the year. Dr. Walter Laidlaw, a prominent minister of New York and secretary of the Confederated Churches has been invited to speak. Like the majority of prominent speakers, he expressed himself to be most willing to come and speak to a Technology audience. He will speak at 6:45 at the Union, and his subject will be "The History and Meaning of the Boston 1915 Movement." This is a live subject and should certainly warrant a good audience. During the week, cards will be distributed announcing this meeting.

The organization of the club has been practically completed. The following officers have been elected: John Ahles 1910, president; M. B. Brownlee 1911, secretary; and R. A. Smead 1910, treasurer. The following chairmen of the various committees has been appointed: K. C. Robinson 1912, ways and means; G. M. Keeth 1912, Sunday evening meetings; John Hall, church relations, and on the Wednesday night entertainment and collation committee, R. H. Ranger 1911 and W. W. Warner 1911, temporarily.

That the society should continue to get closer to the majority of the student body is the aim of the officers of the club. With such energetic and enthusiastic men at the head, this endeavor will undoubtedly become realized.

ORGANIZATION OF AERO CLUB PROGRESSING

Glider To Be Built In Near Future--Election Of Officers Wednesday

Organization of the Aero Club is going forward rapidly. At present the various hills around Boston suitable for gliding are being investigated by some of the members, and arrangements will soon be made for the use of a permanent testing field.

A glider will be built as soon as the permanent officers of the society are elected. In the meantime, Elisha Fales 1910, has offered the use of his glider. In building this glider, as in all the work to be done by the club, an effort will be made to make its own plans, and do its own research work.

The club will endeavor to have a corner reserved in the general library where aeronautical literature, and the club records may be kept. Arrangements are being made for the use of the mechanical laboratories of the Institute for the purpose of research.

A meeting of all men who have handed in their names as members or associate members or who intend to hand in their names will take place at 5 P. M., Wednesday, Nov. 17, for the purpose of electing permanent officers. These officers to be elected are a president, secretary-treasurer and an engineering committee of three will be elected from the full members.

The following men have so far handed in their names as associate members: F. K. Brown 1910, N. S. Seeley 1910, D. P. Gaillard 1911, Keneth Greenleaf 1911, E. H. Guilford 1912, F. D. Mendenhall 1912, R. P. Wallis 1912, R. E. Wilson 1912, F. D. Rich 1913 and T. E. Senior 1913.

1913 CLASS PIPES

Committee Reports Selection--List of Men Taking Orders

After the way 1913 showed its superiority over 1912 on Field Day, there have been numerous inquiries concerning class pipes. Last week a committee was appointed to look the matter up and after careful consideration the contract was awarded to White of Cambridge, who has supplied the Harvard classes very satisfactorily.

The shape of the pipe is to be similar to the one which was chosen by the class of 1911. The pipes are to be in two grades. The better grade will be furnished with a Glokar push stem and is to be a "B. B. B. own make," the other will be a "B. B. B. " Both pipes are to be mounted in sterling silver with the customary high class workmanship of B. B. B. pipes.

The following men: C. H. Strong, W. H. Eichorn and J. C. Goff will be in the Union from 1 o'clock 'till 2 the rest of the week to take orders.

CALENDAR.

Tuesday, November 16.
4:15 P. M.—Banjo Club. 33 R.
Wednesday, November 17.
4:15 P. M.—Cross-Counrty Practice.
Thursday, November 18.
4:15 P. M.—Banjo Club. 33 R.
Friday, November 19.
8:00 P. M.—Union Night.
Saturday, November 20.
10:00 A. M.—I. C. C. A. A. A. A.

THE TECH.

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General Manager,
R. H. Ranger 1911

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Tuesday Issue,
L. S. Walsh 1912 ..... Assoc. Editor
A. W. Kenney 1913 .....Assistant

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BOSTON, MASS., NOVEMBER 16, 1909.

COMMUNICATIONS

All communications which are to be published in The Tech, should be addressed to the editor-in-chief and should be signed in full by the writers. In case the writer does not desire that his name be made public, a non-de-plume for the purpose of publication should be sent in with the communications.

The Tech invites communications on subjects which will be of general interest to the student body, but assures no resposibility for opinions expressed in these communications.

INTERCOLLEGIATE NEWS

The Naval Academy may send a team to the intercollegiate field and track meet at New York on May 28. The date is convenient to the midshipmen, as annual examinations are over and graduation week not begun. The Navy contingent is particularly anxious to have Carr, who has done 9 4-5 in the 100-yard several times, run against the crack college sprinters. Superintendent Bowyer is a strong advocate of athletics and may favor the proposition.

A $75,000 stadium for his Carnegie Tech School students is the latest thing in sport accredited to Andrew Carnegie. The football team of the school has done good work this fall, as did the baseball nine last summer, and Mr. Carnegie is reported as being in a hopeful mood regarding the future of his school in athletics, as well as in studies. It is understood he has ordered plans drawn for the stadium.

The Fifth-avenue house which E. H. Harriman was having remodelled for a residence when his death came was sold today by his heirs to Adolph Lewisohn, the banker, who will make it his home. The disposal of the property indicates that Mrs. Harriman has given up any idea of carrying out her husband's plans for building a magnificent mansion on Fifth avenue.

UNION LUNCH ROOM

Hereafter All Prepared Foods To Be Tested Before Serving

The management of the Union desires to announce a radical change, whereby all danger to customers will be reduced to a minimum. Beginning today, all prepared foods, before they are offered to the general public, will be tasted and passed upon as to quality by the steward, manager and a member of the Union committee.

The new oven will probably be set up in the Union kitchen by the last of the week. Owing to a delay in the shipment of the fixtures, it has not been possible to use the oven before, although it has been here about a month. It is to be used for the baking of all the bread and pastry.

THE "DOPESTER"

Trull 1913 can go some.

Next Saturday morning the Intercollegiate Cross-Country will be held at the Field. All out.

Taylor of Cornell is not running on this year's team.

Paul of Pennsylvania is still in the game and should place either first or very close to it on Saturday.

Watch our own Watkins.

Benson can get there too.

Basketball season is drawing near. Don't bet too much on Yale—or Harvard either.

HARE AND HOUNDS

Second Walk Over Handicap Course Next Sunday

Nine men accompanied Mr. Hunter in a walk over the Handicap Course at West Roxbury last Sunday. Trail was laid over the greater part of the course in preparation for the race to be held on Nov. 27.

It is important that the men should become as familiar with the course as possible, so there will be a second walk over the same ground on next Sunday, if six men make known their wishes to do so before or on Thursday. Leave word at the cage for C. P. Eldred 1911, or see him personally.

A thousand Iowa University students celebrating the football victory of Iowa over Ames, today, stormed the Coldren Theatre tonight and were ejected by the police. They stoned the building, breaking a number of windows. One student's face was split open by a policeman's club.

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The Tech
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Credits interest monthly on accounts of $300 and over.
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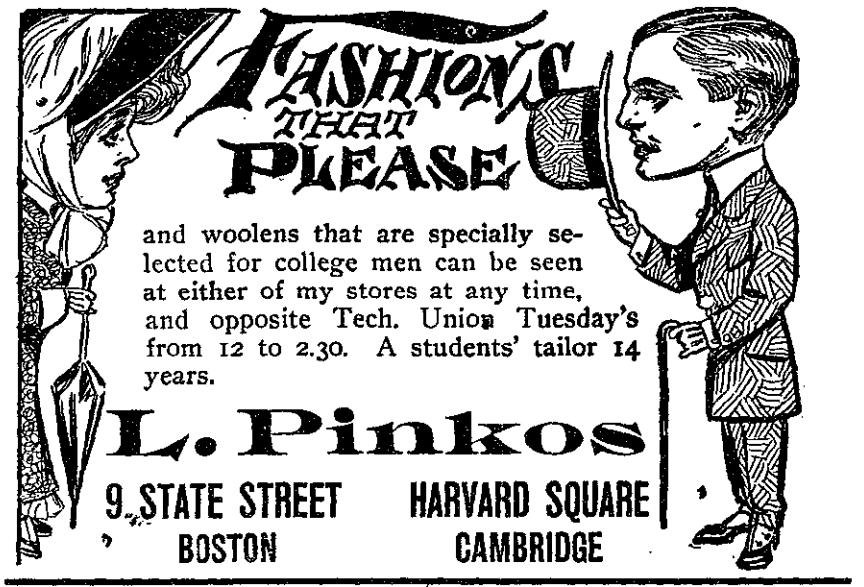

and woolens that are specially selected for college men can be seen at either of my stores at any time, and opposite Tech. Union Tuesday's from 12 to 2.30. A students' tailor 14 years.
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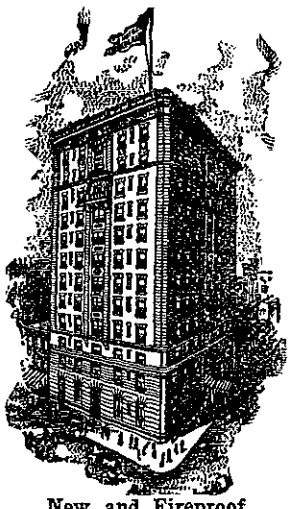
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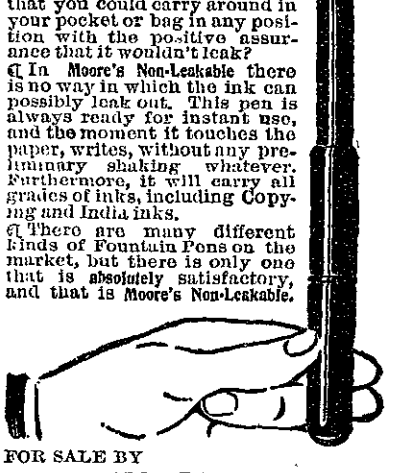
¶ In Moore's Non-Leakable there is no way in which the ink can possibly leak out. This pen is always ready for instant use, and the moment it touches the paper, writes, without any preliminary shaking whatever. Furthermore, it will carry all grades of inks, including Copying and India inks.
¶ There are many different kinds of Fountain Pens on the market, but there is only one that is absolutely satisfactory, and that is Moore's Non-Leakable.

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Miss M. F. Fiske
THE RED GLOVE SHOP
322 Boylston St., opp. Arlington
is showing a handsome shade in men's chamois gloves at $1.50 a pair. Other makes at this price are Fownes and Dent's in the popular cape leather in handsome shades of tan.

ALUMNI'S NEW BOOK

Hollis Godfrey 1898 Writes Another Exciting Story

"For The Norton Name" is the title of Hollis Godfrey's latest book. After the publication of "The Man, Who Ended the War" he turned his attention to an "Elementary Chemistry."

The first book is an amazing story of scientific impossibilities woven into an almost plausible novel, a romance of magic, in which metals turn to gas and the fleets of the world are destroyed by one man.

The new book is not, however, of recent origin, but is reprinted from a serial which ran in the Youth's Companion. Nevertheless it is an absorbing account of a boy's defeat of lawyers, police and desperadoes. It appears as the first of a series, "Young Captains of Industry."

Mr. Godfrey 1898, is a teacher of chemistry ,but has extended his field to public health.

SLIDE RULE LECTURE

The last of the series of seven lectures by Prof. Derr on the use of the Slide Rule in the solution of engineering problems will be given this afternoon at 4:00, in 23 Walker.

The first portion of the lecture will be devoted to a general discussion of the precision obtainable with the slide rule. This will be followed by a description, illustrated with lantern slides, of several varieties of rules and numerous other calculating machines on the market.

MECHANICAL LABORATORY

At the mechanical laboratories, the electric lighting system was put into commission last week. The equipment consists of a Sturtevant 25 KW. direct connected unit, multipolar compound generator, and a Crocker Wheeler balances set enabling the 239 volt power circuit to be cut to a three wire 115 volt system. Lights have been placed at each machine in both Machine Tool and Wood Turning Departments, and overhead in the Forging Laboratory and Wash Room.

All interest in the athletic world is now centered in the football game scheduled for next Saturday between Harvard and Yale. Until last Saturday, when Harvard made such a strong showing against Dartmouth the experts generally conceded the contest to Yale, but now it is believed that Harvard with her good second string men in reserve, has at least an equal chance.

From a betting proposition the game looks to be a sizzler. Already many wagers have been made, with Yale a 5 to 4 favorite; but anyone who is willing to give odds against Harvard certainly has his nerve with him.

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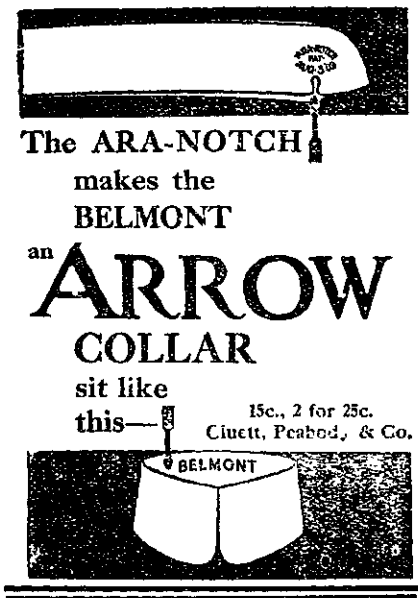
CORNED BEEF HASH.
1 HOT ROLL. BUTTER.
CUP OF COFFEE.
12c.

LIGHT LUNCH.

CHOICE OF PIE.
CUP OF COFFEE.
8c.



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Chicken Pie with Bread	20c.
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Baked Beans	10c.
Ham and Eggs	25c.
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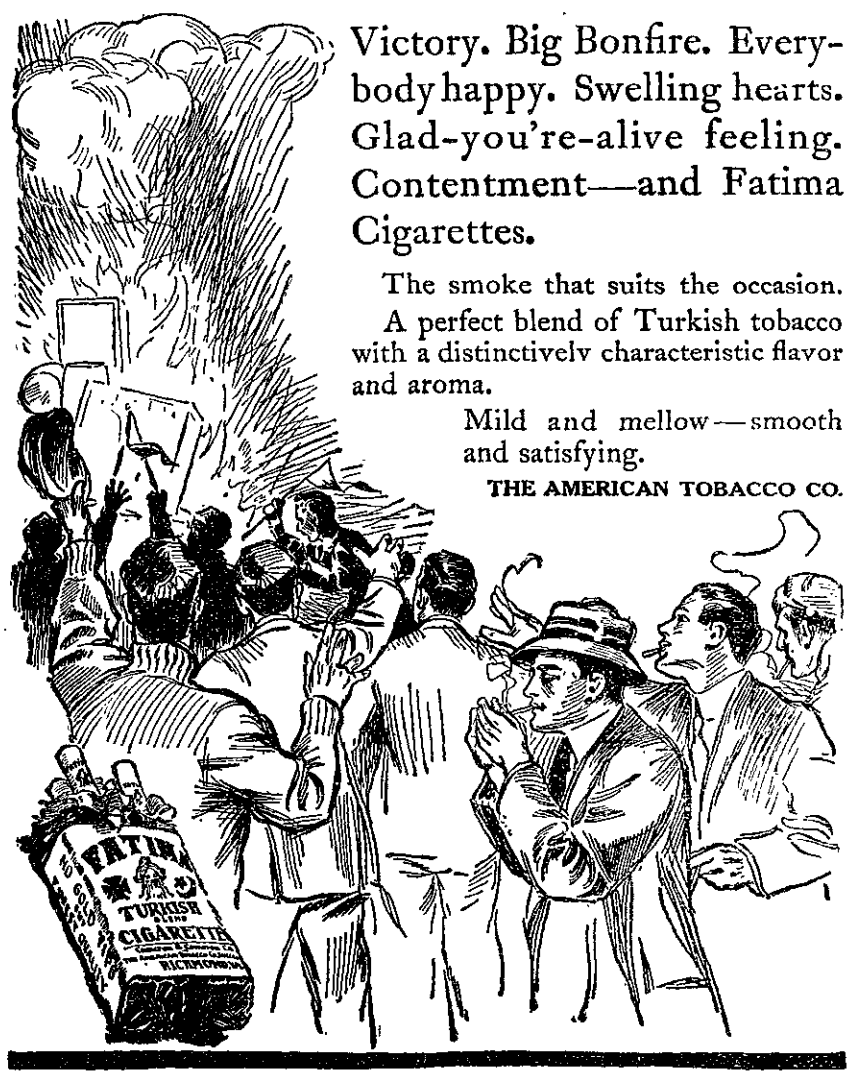
Cold Ham (Plate)	20c.
Griddle Cakes	10c.
Crackers and Milk	10c.
Cereal with Milk	10c.
Dropped Eggs on Toast (2)	20c.
Eggs Boiled or Scrambled (2)	20c.
Sandwiches	

Specials Every Day.
All Home Cooking.
Cigars and Cigarettes.

FATIMA TURKISH BLEND CIGARETTES
20 for 15 cts.



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The Tech

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IN NEWS
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Those in charge of each of these departments can be found in THE TECH Office from 8:30 to 9:00 daily.

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GENERAL NOTICES.

FACULTY NOTICE.

November 11, 1909.

Mr. Waldemar Lindgren's lectures in Economic Geology begin Monday, November 15. The class will meet at that date in Room 11, Eng. B. The following hours have been provisionally arranged for the course:

Monday, 12-1.
Wednesday, 12-1.
Thursday, 10-11; Conference, 2-3.
Friday, 9-10.
Saturday, 11-12.

The course is required in Coure III, Option 3, 4th year, and Option I, 4th year students are strongly advised to take as many of the lectures as possible. Other students are cordially invited. C. H. CLAPP, 41, 42.

1913 Foot-ball team meet at Union today at 1 o'clock. 42.

Technique 1910. Board meeting. Thursday, Nov. 18 at five.
42, 43, 44, 45

1913—Orders for Class pipes taken at the Union from one to two (2) beginning today.
J. C. GOFF.
W. N. EICHORN.
42, 43, 44, 45

FOR SALE—Complete wireless outfit. Sending set capable of sending 20 miles. Receiving set receives up to 200 miles. Inquire at the Cage.
Nos. 42, 43, 44, 45, 46.
Charge to Geo. Wallace 1913.

The following will please meet in the upper Tech office this afternoon at 4:15: M. R. Scharff, H. M. Davis, J. W. Nickerson, F. R. Dolke, C. W. Gram, G. E. Washburn, H. S. Wonson.

BASKET BALL PRACTICE 3 times a week, Monday, Wednesday and Friday from 4 to 6.

President Nicholas Murray Butler of Columbia, in his annual report to the trustees, offers the following comment on the elective system, which, first applied by President Eliot of Harvard, has influenced in some degree the curricula of all American universities:

"The free elective system has broken down wherever it has been tried. It is now everywhere to be superseded by a definite and controlled plan of study which will not attempt to fit one curriculum to every student, but which, rather will make as many curricula as there are students, that each may satisfy his own intellectual needs and receive the training which it is best for him to have, while having hs own individuality studied and respected."

After spending more than a year in investigating the scope of the institutions at present located in the Northwest and the general plans and methods adopted by Eastern colleges, the trustees of the Reed Institute have decided to utilize the fund of 2,000,000 at their disposal in the establishment and maintenance of a college of arts and sciences in Portland, Ore. This college, with the endowment at its disposal, it is expected, will be on the same plane as Williams or Amherst, or similar standard institutions of higher learning.

Desirable Rooms for students, furnished or unfurnished, open fires, private baths. Rooms at $4.00 to $10.00 per room. Five minutes' walk from the Institute. Apply Business Manager, The Tech.

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